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PTO/SB/21 (09-04)

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Total Number of Pages in This Submission

Application Number	10/692,198
Filing Date	October 23, 2003
First Named Inventor	Jiaxiang Ren
Art Unit	3662
Examiner Name	Ian J. Lobo
Attorney Docket Number	PGS-03-18US

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Remarks</b> Other: - Substitute Specification (Marked Up Version) - Substitute Specification (Clean Version) - Return Postcard		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Petroleum Geo-Services, Inc.		
Signature	<i>E. Eugene Thigpen</i>		
Printed name	E. Eugene Thigpen		
Date	August 3, 2005	Reg. No.	27,400

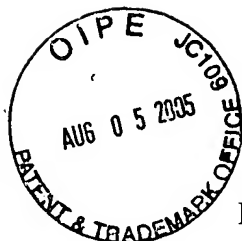
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Jiaxiang Ren, *et al.*

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Group Art Unit: 3662

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Serial No. 10/692,198

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Examiner: Ian J. Lobo

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Filed: October 23, 2003

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Title: METHOD FOR STABLE  
ESTIMATION OF  
ANISOTROPIC PARAMETERS  
FOR P-WAVE PRESTACK  
IMAGING

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Atty Docket No. PGS-03-18US

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*E. Eugene Thigpen*  
E. Eugene Thigpen

Date: August 3, 2005

**REPLY UNDER 37 CFR § 1.111**

**(A) Preliminary Remarks**

Sir:

In response to the Office Action dated, June 21, 2005 please reconsider the application in view of the amendments and remarks which follow.

Amendments to the Claims begin on page 2 of this Reply

Remarks/argument begin on page 4 of this Reply.

A substitute specification (including the Abstract, but not including the claims) is attached to the end of this Reply.